

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080246.D
 Acq On : 06 Feb 2025 11:08
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

02/07/2025
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Feb 07 00:26:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	131962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	212755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	200287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	88255	51.414	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.820%	
35) Dibromofluoromethane	7.810	113	80396	53.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.640%	
50) Toluene-d8	10.269	98	317824	56.838	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.680%	
62) 4-Bromofluorobenzene	12.575	95	104717	58.365	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.720%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.940	85	56611	42.378	ug/l 97
3) Chloromethane	2.152	50	118488	43.104	ug/l 99
4) Vinyl Chloride	2.287	62	142213	42.764	ug/l 100
5) Bromomethane	2.693	94	101195	51.118	ug/l 99
6) Chloroethane	2.840	64	100167	45.222	ug/l 95
7) Trichlorofluoromethane	3.175	101	122952	44.614	ug/l 99
8) Diethyl Ether	3.599	74	39417	52.282	ug/l 97
9) 1,1,2-Trichlorotrifluo...	3.963	101	73648	46.166	ug/l 99
10) Methyl Iodide	4.163	142	86737	61.107	ug/l 99
11) Tert butyl alcohol	5.063	59	22428	236.531	ug/l # 92
12) 1,1-Dichloroethene	3.940	96	74295	49.164	ug/l 97
13) Acrolein	3.799	56	39943	223.413	ug/l 99
14) Allyl chloride	4.563	41	123595	53.072	ug/l 99
15) Acrylonitrile	5.257	53	92123	254.326	ug/l 99
16) Acetone	4.028	43	67580	244.283	ug/l # 87
17) Carbon Disulfide	4.275	76	260003	47.705	ug/l 98
18) Methyl Acetate	4.563	43	49698	53.241	ug/l 98
19) Methyl tert-butyl Ether	5.322	73	176466	53.041	ug/l 95
20) Methylene Chloride	4.805	84	93336	49.717	ug/l 97
21) trans-1,2-Dichloroethene	5.316	96	87558	51.001	ug/l 96
22) Diisopropyl ether	6.222	45	270244	55.760	ug/l 99
23) Vinyl Acetate	6.157	43	772479	276.076	ug/l 99
24) 1,1-Dichloroethane	6.116	63	164845	51.885	ug/l 99
25) 2-Butanone	7.087	43	110979	258.632	ug/l 100
26) 2,2-Dichloropropane	7.075	77	133831	48.566	ug/l 96
27) cis-1,2-Dichloroethene	7.087	96	102443	52.820	ug/l 96
28) Bromochloromethane	7.428	49	73409	50.632	ug/l # 96
29) Tetrahydrofuran	7.446	42	74491	265.046	ug/l 98
30) Chloroform	7.599	83	168996	52.027	ug/l 96
31) Cyclohexane	7.881	56	119707	47.067	ug/l 96
32) 1,1,1-Trichloroethane	7.799	97	138500	50.965	ug/l 97
36) 1,1-Dichloropropene	8.010	75	115993	53.708	ug/l 99
37) Ethyl Acetate	7.169	43	53922	50.916	ug/l 96
38) Carbon Tetrachloride	7.993	117	117487	52.081	ug/l 90
39) Methylcyclohexane	9.275	83	124558	53.086	ug/l 98
40) Benzene	8.251	78	361874	53.456	ug/l 96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	27208	46.674	ug/l	90
42) 1,2-Dichloroethane	8.328	62	103365	53.657	ug/l	100
43) Isopropyl Acetate	8.363	43	102399	54.481	ug/l	99
44) Trichloroethene	9.028	130	83700	53.521	ug/l	98
45) 1,2-Dichloropropane	9.304	63	93367	54.833	ug/l	100
46) Dibromomethane	9.393	93	50514	53.248	ug/l	98
47) Bromodichloromethane	9.587	83	130155	54.406	ug/l	92
48) Methyl methacrylate	9.381	41	48772	56.075	ug/l	94
49) 1,4-Dioxane	9.387	88	11046	1070.347	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	268901	282.935	ug/l	99
52) Toluene	10.334	92	225627	56.981	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	115821	56.792	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	138509	55.835	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	65065	52.785	ug/l	94
56) Ethyl methacrylate	10.598	69	83040	59.042	ug/l	100
57) 1,3-Dichloropropane	10.881	76	112277	55.071	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	156226	260.250	ug/l	99
59) 2-Hexanone	10.922	43	181535	291.084	ug/l	100
60) Dibromochloromethane	11.075	129	84435	55.574	ug/l	99
61) 1,2-Dibromoethane	11.181	107	59393	52.907	ug/l	97
64) Tetrachloroethene	10.810	164	71505	51.107	ug/l	97
65) Chlorobenzene	11.604	112	240971	52.487	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	85153	53.019	ug/l	99
67) Ethyl Benzene	11.687	91	426000	55.780	ug/l	98
68) m/p-Xylenes	11.792	106	330663	111.526	ug/l	99
69) o-Xylene	12.122	106	151123	55.895	ug/l	99
70) Styrene	12.134	104	271697	56.455	ug/l	100
71) Bromoform	12.298	173	48807	51.551	ug/l #	98
73) Isopropylbenzene	12.422	105	394264	52.769	ug/l	99
74) N-amyl acetate	12.234	43	100030	50.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	77305	49.722	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	44487m	39.817	ug/l	
77) Bromobenzene	12.698	156	97231	50.451	ug/l	99
78) n-propylbenzene	12.763	91	502624	52.837	ug/l	100
79) 2-Chlorotoluene	12.851	91	285741	52.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	344168	55.080	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	28383	51.944	ug/l	96
82) 4-Chlorotoluene	12.945	91	308579	53.731	ug/l	99
83) tert-Butylbenzene	13.169	119	281951	55.195	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	355330	55.869	ug/l	99
85) sec-Butylbenzene	13.345	105	426767	54.641	ug/l	100
86) p-Isopropyltoluene	13.463	119	366041	54.886	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	203212	53.534	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	197067	51.294	ug/l	99
89) n-Butylbenzene	13.786	91	351409	54.223	ug/l	99
90) Hexachloroethane	14.057	117	75505	50.941	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	175525	52.478	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12014	48.569	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	109163	51.201	ug/l	100
94) Hexachlorobutadiene	15.204	225	56135	48.614	ug/l	99
95) Naphthalene	15.333	128	191402	51.255	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	95492	49.630	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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